

ABSTRACT OF THE DISCLOSURE

A liquid crystal display apparatus has a light pipe for emitting an incident light coming from the light source from a lower surface via a light emitting means formed 5 on an upper surface, a reflection type polarizer disposed on the lower surface of the light pipe, the reflection type polarizer dividing an incident natural light into a circularly polarized reflected light and a transparent light, and the reflected light being emitted thorough 10 the upper surface of the light pipe, and a liquid crystal shutter disposed on the upper surface of the light pipe, and having a liquid crystal cell and at least one sheet of polarizer.